WITH THE FARMERS

By Prof. W. F. MASSEY



I get more than \$100 out of a garden less than half that size, cultivated largely in bulbs and flowers for cutting, and get most of my family vegetables besides. With frames and sashes and plenty of manure and labor you could grow letting to materials. could grow lettuce in winter for the could grow lettuce in winter for the cid Point hotels and Norfolk, and cauliflowers for the spring heading But this would mean a considerable expenditure for glass. With means for

The season is now at hand when the cuit trees will need spraying. But to this is that any one who neglects anaetiyely and intelligently we spraying against insects and fungus diseases will not have good fruit, and the cult was provided to the culture was provided to the cultu The season is now at hand when the country from the street in any one who neglect in the street in t

Fungleide Sprays.

There are other sprays used as a means for preventing the various fungus diseases that attack our fruitinees. The principal one of these is and the trollies should be well sprayed with the Bordeaux mixture. This is used that uses this sort of illustration than after the viles should be well sprayed with the Bordeaux mixture before the buds swell, and again several times of watermelons with the great melons after the vines have bloomed, in order to prevent the black rot. Apple trees are sprayed with the Bordeaux mixture before the buds swell, and again several times of almost touching each other all over the prevent the scale and block in all the catalogues will have some new from the trees, we sprayed with the Bordeaux mixture to prevent the scale and block in all the catalogues will have some new from the trees, we sprayed with the Bordeaux mixture to prevent the scale and block in all the catalogues will have some new therefore the plants of the days and the trees and are sprayed with the Bordeaux mixture before the black rot. Apple trees are sprayed with the Bordeaux mixture before the black rot. Apple trees the field, and potate crops making are sprayed with the Bordeaux mixture to prevent the scale and block in all the catalogues will have some new therefore the block of the cause of temperance. He block and the treating in minigrants from all parts of the blocks and the Western proving down instance to tell that he has the world. Australia, New Zealand and the Western proving down instance to tell that he has the will carry the message of the license of Canada have declared for a winkley traffic, and the manner in the will carry the message of the license of Canada have declared for a winkley traffic, and the manner in the will carry the message of the license of Canada have declared for a winkley traffic, and the manner in the will carry the message of the license of Canada have declared for a winkley traffic, and the manner in the will carry the message of the license of Canada have d the truit, and, as the blossoms drop from the trees, we spray with the Bordeaux mixture, with arsenate of lead or Paris green added, it order to kill the codling moth larvae, which ing puright, so that the poison will not into the cally s.

Making Bordenux Mixture.

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add water enough to make twenty-five gallons. Then run the two together Campbell County; into a third cask, stirring it all the time, and it is ready to strain into the sprayer. This is the 5-5-50 mixture, and when we want to use it to poison

the codling moth or the Color. tate beetle, we add one pound of lead arsenate or five ounces of Paris green arsenate or five ounces of Paris green to the place ind raise choice fruit for the cotagers who come to Dean View overstammer. But as my necessity and the properties of the provided for the provided for the provided for the leaves of cucumbers and melons, the leaves of cucumbers and melons, the leaves of the leaves of cucumbers and melons, the leaves of the leaves of cucumbers and melons, the leaves of th

Formaldehyde is now used successfully for the prevention of mildew on roses and other plants. A tenspoon-ful in a two-gallon watering pot can the poleons applied to the surface of pinnts, and to destroy these we must use materials that kill by merely coming in contact with their bodies. Insects do not breathe through their mouths, but through certain opening for spiracles in their sides, and some things of a dust-like nature, choking the breathing pores, or having a paralyzing effect, are used. One of the chief of these is the Pyrethrum powder, commonly sold as Persian insect Powder and as Buhac. This is a perfectly safe material to handle, as it is not poisonous to human beings, being the process of ing in contact with their bodies. In-sects do not breathe through their

fruit trees. But it depends mainly on can be diuted for use on plants. There soil as to what can be gotten out of spraying these lice. I have used this such a place, and a man without the very effectively on plant lice and on necessary skill in horticultural mat the young soft larvae of the potato necessary skill in horticultural matters might not succeed in getting the beetle. This, too, is usually kept on buccessary \$100 out of the place. Planting it in fruit trees, you will have to easily the seedsmen. For the owning it in fruit trees, you will have to easily the seedsmen. For the owning it in fruit trees, you will have to easily the seedsmen. For the owning it is number of years before getting any returns.

and that, while the one was all flow and the temperance would all over the cause of the present and the temperance and the control of the present and the temperance and the was of this state of the the cause of the was of this state of the things to fell that he has been a wonderful improvement in the was of this state of the was of the house a state of the house at the other than the state of the house at the ho When made on a large scale it is becessary to have an elevated platform on which the easks in which the time and the copper sulphate are dissolved stand, and a cast for the mixture of the two below. It is found that the lime and copper sulphate can be prepared in concentrated form and billowed to run into the cask below.

allowed to run into the cask below, ing should be done. In buying seed, citizens that fifty-one years ago yes-while at same time a strong jet of put your main reliance on the old terday, December 13, 1862, Count Zepwater is run into the cask to cause an agitation and to make the necessary amount of water for the spraying. Bordeaux mixture is made in various strengths, but as a standard mixture I use the following: Slake five pounds of fresh lime as for whitewash, and when slaked add twenty-wash, and when slaked add twenty-wash add twenty-wash, and when slaked add twenty-wash add twenty-wash, and when slaked add twenty-wash and to be earlier or better than a mysses but they wash, and when slaked add twenty-wash and twenty-wash, and when slaked add twenty-wash, and wh five gallons of water—that is, water little to be desired over what we have enough to make the whole twenty-five in the old standard varieties. And the S. H. Hawes

In the old standard varieties. And the same is true of many other vegetables. I was one of the judges on vegetables at the great show in Baltimore this fall of the Maryland Horticuttural Society, and I was impressed by the fact that many varieties are getting badly mixed. Postatoes were exhibited as Irish Cobblers, in which there were some Cobblers and a number of other kinds easily distinguished from the Cobble of the duches smokes are some companies. The clears which the duchess smokes are

mixed. Potatoes were exhibited as Irish Cobblers, in which there were is some Cobblers and a number of other kinds easily distinguished from the broad Cobbler. There was a prize offered for three heads of Danish Ballhead cabbage, and in all the specimens we shown there was but one typical head of the Danish Ballhead. Drumbead cabbages were shown as Davish Iral cabhages were shown as Danish Ball-head, and the growers evidently thought they had the variety, but had

bought mixed seed. Then many seemed to think that mere size would carry off the prizes, and they had flat turnips larger around than a dining plate, but the prize went to those of marketable size. Sweet potatoes weighting five or six pounds each were shown by some, but these overgrown ones did not get the prize, for no one going to market would buy such potatoes. And so all through the exhibits we gave the prizes to the best marketable specimens of each variety. There was an exhibit, for the prize of new vegetable productions, of samples of the new Dasheen, and I was pleased to note that none of them were as large as the ones I have grown, and I had thought that my crop was almost a failure because of the dry weather. The Dasheen is naturally a cort of swamp ulant and growing it is sort of swamp plant, and growing it in a dry season on dry upland did not give good results. Next spring I pro-pose to plant mine where they can be

regularly irrigated.

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OPENS CAMPAIGN SERIOUS OUTBREAK

[Special to The Times-Dispatch.]

Bristol. Ya., December 14.—Within one block of where, less than four years ago, the thunders of Malcolm R Patterson's oratory was heard in defense of the lexalized saloon and high license, to day he opened a week's campaign in opposition to the liquor traffic. The men and women who jeered his presence in the city, and who on the former occasion showed their dislike for him because of the strenuous manner in which he championed the whiskey traffic, were to-day his most interested and most eager listeners. These people believe him to be as genuinely converted when he began to preach the restrict to a proposition to the temperance cause as was Paul converted when he began to preach the expenditure for glass. With means for the erection of greenhouses and frames, a skilled gardener could make quite an income on a place like that. But you are evidently not in that class. Planting fruit trees in that locality will be rather a doubtful proposition.

Our house plants, and the rose bushes in early spring, and the cabbage plants and other plants get infested with placehes do not do well in that seaside incation.

The quickest fruit you could get would be far more profitable on a small lot than fruit trees. But it depends mainly on it is also an article called Alphine sold for The speaking this afternoon took.

converted when he began to preach the gospel of Christ.

The speaking this afternoon took place in State Street Methodist Church, which has the largest auditorium for church purposes in the city. The building was packed, and the Christian people of Bristol, without regard to denomination, turned out and listened with the keenest possible interest to this former Governor's vigorous on slaught on the whiskey traffic. The circumstances were such as to make the meeting one of the most impressive ever held by the temperance people of this late.

The difficulties of the indian papers of the indian papers of the indian papers. Viscount Hardinge, Viceroy of India, has tried to pour oil on troubled waters by suppathy with the scance, and she was naturally bewildered.

This was Lady Duff-Gordon's first seamee, and she was naturally bewildered was tried to pour oil on troubled waters by expressing his sympathy with the feat Indians in South Africa and asking for a thorough investigation by the imperial authorities, and the Mary quis of Crew, Secretary of State for India, likewise has expressed himself in favor of investigation.

All this, however, has not had much effort on the Indians, or at any rate of the well, for we met in the companion way.

The difficulties of the imperial government are twofold. It is really a point of the follow-subjects in all the British downward and an account of the property of the fill of th

breakfast.

The cigars which the duchess smokes are made of the choicest Havana leaf, and are far less harmful than the scented cigarettes which most women smokers use.



SOLD AT ALL DRUGGISTS 10c, 25c, 50c and \$1.00.

[Special to The Times-Dispatch.] New York, December 14.—The sma New York, December 14.—The smallest haby that ever lived and received nourishment from its mother, according to Dr. Samuel Schwartz, was born Thursday to Mrs. Rose Schwartz.

This tiny bit of humanity, a boy, was weighed and measured to-day. These are the figures:

Weight, 2 pounds.
Circumference of head, 10-1-2 inches. Chest, 91-2 inches.
Waist, 9 inches.
Hips. 7-1-2 inches.

Chest, 91-2 inches.

Waist, 9 inches.

Hips, 71-2 inches.

Thigh, 31-2 inches.

Zength, 141-2 inches.

Length, 141-2 inches.

Dr. Schwartz said: "I am convinced that this is the smallest baby in the world. It is perfect in every way I have never seen a child in better realth, and I would not think for a moment of letting it be put in an incubator in order to live. This one is nourished by its mother the same as any healthy child. It is truly the most remarkable case known to the medical profession."

remarkable of the child weighs 165 profession."

The father of the child weighs 165 pounds and is five feet ten inches tail. The mother weighs 130 pounds.

SPIRIT OF STEAD SPEAKS TO WOMAN

Lady Duff-Gordon Profoundiv Impressed by Reference to Titanic.

OTHERS ANSWER QUESTIONS

Most Perfect Medium in World at Seance of "Occult Circle."

Special Cable to The Times-Dispatch.] London, December 14.—At the invi-ation of Major-General Sir Alfred piritual authority, a reporter to-night attended a seance of the "Occult Cir-de," of which Sir Oliver Lodge is a leading member. Sir Oliver was un-able to be present, but General Turner conducted the sennee, and among those who sat in the "circle" were Lady Duff-Gordon, Lady Muir Mackenzie and

but the most thrilling incident of the evening was a meeting between Lady Duff-Gordon and the spirit of William T. Stead, the English writer, who met his death in the Titanic disaster. Lady Duff-Gordon was one of those

The spirit of Mr. Stend appeared to float across the circle and then drift slowly about, from person to person. The spirit seemed to be holding a luminous slate in front of its face. Finally, when it reached lady Duff-Gordon, the slate was lowered and the spirit said: 'I believe we were pas-sengers on that fatal night?'

Naturally Bewildered.

"This was Lady Duff-Gordon's first seance, and she was naturally bewild-

WHITE TEETH FROM ULTRA VIOLET-RAYS

The father of the child weighs 165 pounds and is five feet ten inches tall. The mother weighs 130 pounds.

ST. CLAIR WITHDRAWS.

Ninth District Man Quits Race for Collectorship.

[Special to The Times-Dispatch, I Bristol, Va., December 14—It is announced to-night that Peyton F. St. Clair, candidate of the Ninth Virginia Democratic Committee for the internal revenue collectorship for the Western District of Virginia, has withdrawn from the contest. This leaves the contest open to the several other aspirants, and also to two-or three men who have been mentioned as compromise candidates. The withdrawal of Mr. St. Clair has all the politicians guessing. An effort will be made to have a Ninth District man appointed, the collector's office being in this district. Prominent among those mentioned as compromise candidates are General R. A. Ayers, of Big Stone Gap, and Captain S. V. Fulkerson, of Bristol.



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is really two instruments in one. It enables every one to play the music he or she likes best. With the player device any one can play, whenever they feel so inclined. Besides, it is always ready when hand-playing is desired.

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it yourself; prove to your own satisfaction that a Pianola Player-Piano should be your Christmas gift to your

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| Shawsville, Va. December 11—Fire, Parks | December 11—A new method of dentitary is being introduced in Parks in the form of treatment of the feeth by ultra-Shein pass. From a mercury lump the assected, have the power of whiteman discolored teeth and sternitizing them in such a way that they are not so easyl hable to decay. The feeth are then washed with a systemated water and exposed for an hour labeled water for exposed for labeled water for the dentity of parking a parameter of the company, which labeled water for the labeled water for many water labeled water for

Justice Pitney Did Not Know He Could Go on Ploor of Senate,
Washington, December 14.—Justice Pitney, of the Supreme Court, just discovered a new privilege accorded to members of the highest court of the

land. He desired to see Senator O'Gorman on a personal matter, and presented himself at the door of the Senate with hat in hand to send in his card to the New York Senator.

"Why didn't you come in?" asked the Senator.

"I didn't know I could." responded the justice, as he accepted an invitation to come on the floor.

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Norfolk and Western Station and Lumber Vard Destroyed.

[Special to The Times-Dispatch 1]
Shawsville, Va. December 14.—Fire, originating in the Norfolk and Western Station at this place, to-day totally destroyed that building, and practical by all it.

enderen cry FOR FLETCHER'S CASTORIA

Fine Watches